

**AUTOMATED RECOVERY FROM DATA CORRUPTION OF DATA VOLUMES IN
RAID STORAGE**

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ABSTRACT OF THE DISCLOSURE

[0038] The present invention relates to an apparatus or computer executable method of detecting and repairing corrupt data in a RAID data storage system. In one embodiment, parity and checksum data are stored in the RAID data storage system for each stripe that stores data. The parity data is used to determine whether data in the corresponding stripe is corrupt. If stripe data is determined to be corrupt, the checksum data is used to correct the corruption.